

## Abstract

The present invention discloses a method for providing reliable transmission  
5 Quality of Service (QoS) in communication network, in this method, a QoS connection is established between bearer network resource managers in bearer network control layer, and maintenance management mechanism is well established in terms of the said QoS connection. Various QoS resource control messages can be carried through this established QoS connection, so that request of service bandwidth  
10 application of the user and the result thereof, as well as the path information allocated by bearer network resource managers can be transferred. The method of the present invention is reliable and easy to implement and maintain, with good controlled quality, and can implement resource synchronization between bearer network resource managers. Therefore, implementation of the present invention makes it more  
15 convenient to manage resources of bearer network uniformly, and provides technical support on guaranteeing transmission reliability of important services.